

ABSTRACT

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A cordless blind comprising a headrail, a bottom rail
suspended from the headrail by a first cord and a second cord. A window
covering disposed between the headrail and the bottom rail, a drive
5 actuator including a spring motor and a spool for accumulating the cords
is coupled to the spring motor. A one-way tensioning mechanism is
mounted and coupled to the drive actuator and the bottom rail wherein
the tensioning mechanism is configured to provide a resistant force on
movement of one of the first and second cords in one direction. Another
10 embodiment of the cordless blind provides the one-way tensioning
mechanism comprising a mechanism bracket with the mechanism bracket
having a base and a first upright and second upright coupled to the base.
Each upright defines an aperture proximate a distal end of each upright
and further each upright including a pawl with one pawl aligned in facing
15 relationship with the other pawl. A pulley is mounted between the two
uprights. The pulley has a cylinder with a sidewall at each end of the
cylinder with each sidewall having an interface and an outerface. Each
outerface has a plurality of ratchet teeth configured to selectively engage
the pawl on each upright. The pulley is configured to move within the
20 apertures to one of a free-wheeling position and a stopped position.